

In the Claims:

1 (currently amended)

~~A composition for sealing display cells of a microcup An electrophoretic display comprising display cells wherein said display cells are filled with an electrophoretic fluid and sealed with a sealing layer formed from a sealing composition comprising, which composition comprises a polymeric sealing material a thermoplastic elastomer and a crosslinking system.~~

2 (cancelled)

3 (currently amended)

The ~~composition electrophoretic display~~ of Claim 2-1 wherein said thermoplastic elastomer is selected from ~~a the group consisting of~~ polyurethanes, polyesters, polyolefins and tri-block or di-block copolymers of styrene or α -methylstyrene and isoprene, butadiene or ethylene/butylenes, crystalline rubbers and ~~other EPDMs (Ethylene Propylene Diene Rubber terpolymers) ethylene propylene diene rubber terpolymers.~~

4 (canceled)

5 (withdrawn and currently amended)

The ~~composition electrophoretic display~~ of Claim 3 wherein said crystalline rubber is poly(ethylene-co-propylene-co-5-methylene-2-norbornene).

6 (currently amended)

The ~~composition electrophoretic display~~ of Claim 1 wherein said crosslinking system comprises a multifunctional isocyanate and a crosslinking agent for the multifunctional isocyanate.

7 (currently amended)

The ~~composition electrophoretic display~~ of Claim 6 wherein said multifunctional isocyanate is selected from ~~a-the group consisting of hexamethylene diisocyanate (HDI),~~

isophorone diisocyanate (**IPDI**), toluene ~~diisocyanate (TDI)~~ and diisocyanate, 4,4'-diisocyanato diphenylmethane (MDI) and the polyisocyanates derived therefrom.

8-9 (cancelled)

10 (currently amended)

The ~~composition electrophoretic display~~ of Claim 6 wherein said crosslinking agent for the multifunctional isocyanate is selected from a ~~the~~ group consisting of multifunctional alcohols, thiols, ureas, thioureas, amines, anilines and water.

11 (currently amended)

The ~~composition electrophoretic display~~ of Claim ~~10~~ 6 wherein said crosslinking agent is a polyol.

12 (currently amended)

The ~~composition electrophoretic display~~ of Claim 11 wherein said polyol is triethanol amine, N,N,N',N'-[tetrakis(2-hydroxyethyl)ethylene diamine], N,N,-diethanolaniline, polycaprolactone diol, poly(propylene glycol), poly(ethylene glycol), poly(tetramethylene glycol), polybutadiene diol or a derivative or copolymer thereof.

13 (withdrawn and currently amended)

The ~~composition electrophoretic display~~ of Claim ~~12~~ 11 wherein said polyol is ~~Multranol 9157, 4012, ARCOL LG-650, ARCOL(R) LHT-240 or~~ a polybutadiene diol.

14 (currently amended)

The ~~composition electrophoretic display~~ of Claim 6 wherein the multifunctional isocyanate and the crosslinking agent have a total concentration in the range of about 2-50% by weight of the dry weight of the sealing layer.

15 (currently amended)

The composition electrophoretic display of Claim 14 wherein the multifunctional isocyanate and the crosslinking agent have a said total concentration of the multifunctional isocyanate and the crosslinking agent is in the range of about 10-40% by weight of the dry weight of the sealing layer.

16 (cancelled)

17 (currently amended)

The composition electrophoretic display of Claim 16 11 wherein the molar ratio of the hydroxy group in the polyol to the -NCO group in the multifunctional isocyanate is from about 1/9 to about 9/1.

18 (currently amended)

The composition electrophoretic display of Claim 17 wherein the molar ratio of the hydroxy group in the polyol has a molar ratio to the -NCO group in the multifunctional isocyanate is from about 3/7 to about 7/3.

19 (currently amended)

The composition electrophoretic display of Claim 6 wherein said crosslinking system further comprising comprises a catalyst.

20 (currently amended)

The composition electrophoretic display of Claim 19 wherein said catalyst is selected from a the group consisting of tertiary amines, dibutyltin dilurate, dimethyltin dichloride, dibutyltin dilauryl mercaptide and stannous octoate.

21 (currently amended)

The composition electrophoretic display of Claim 20 19 wherein said catalyst is dibutyltin dilaurate.

22 (currently amended)

The composition electrophoretic display of Claim 19 wherein said catalyst is present in the amount of from about 0.01 to about 3% by weight, based on the dry weight of the sealing layer.

23 (currently amended)

The composition electrophoretic display of Claim 22 wherein said catalyst is present in the amount of from about 0.05 to about 2% by weight, based on the dry weight of the sealing layer.

24 (withdrawn and currently amended)

The composition electrophoretic display of Claim 1 wherein said crosslinking system comprises a multifunctional isothiocyanate and a crosslinking agent for the multifunctional isothiocyanate.

25 (withdrawn and currently amended)

The composition electrophoretic display of Claim 24 wherein said multifunctional isothiocyanate is selected from a the group consisting of hexamethylene diisothiocyanate, isophorone diisothiocyanate, toluene diisothiocyanate, 4,4'-diisothiocyanato diphenylmethane and the polyisothiocyanates derived therefrom.

26 (withdrawn and currently amended)

The composition electrophoretic display of Claim 25 wherein said multifunctional isothiocyanates are isothiocyanate is hexamethylene diisothiocyanate, isophorone diisothiocyanate or a polyisothiocyanate derived therefrom.

27 (withdrawn and currently amended)

The composition electrophoretic display of Claim 24 wherein said crosslinking agent for the multifunctional isothiocyanate is selected from a the group consisting of multifunctional alcohols, thiols, ureas, thioureas, amines, anilines and water.

28 (withdrawn and currently amended)

The composition electrophoretic display of Claim 27 24 wherein said crosslinking agent is a polyol.

29 (withdrawn and currently amended)

The composition electrophoretic display of Claim 28 wherein said polyol is triethanol amine, N,N,N',N'-[tetrakis(2-hydroxyethyl)ethylene diamine], N,N,-diethylaniline, polycaprolactone diol, poly(propylene glycol), poly(ethylene glycol), poly(tetramethylene glycol), polybutadiene diol or a derivative or copolymer thereof.

30 (withdrawn and currently amended)

The composition electrophoretic display of Claim 29 28 wherein said polyol is ~~Multraneol 9157, 4012, ARCOL LG-650, ARCOL(R) LHT-240~~ or a polybutadiene diol.

31 (cancelled)

32 (withdrawn and currently amended)

The composition electrophoretic display of Claim 24 wherein said crosslinking system further comprising comprises a catalyst.

33 (withdrawn and currently amended)

The composition electrophoretic display of Claim 1 wherein said crosslinking system comprises a multifunctional epoxide and a crosslinking agent for the multifunctional epoxide.

34 (withdrawn and currently amended)

The composition electrophoretic display of Claim 33 wherein said multifunctional epoxide is selected from ~~a~~the group consisting of bisphenol A-epichlorhydrin condensates, (3,4-epoxycyclohexyl)methyl-3,4-epoxycyclohexanecarboxylate, vinylcyclohexane dioxide, glycidyl isoctyl ether, epoxidized polybutadiene and epoxidized oils.

35 (withdrawn and currently amended)

The composition electrophoretic display of Claim 33 wherein said multifunctional epoxide is an aliphatic epoxide.

36 (withdrawn and currently amended)

The composition electrophoretic display of Claim 33 wherein said crosslinking agent is selected from the group consisting of multifunctional alcohols, thiols, carboxylic acids, ureas, thioureas, primary and secondary amines, anilines, anhydrides and Lewis acids.

37 (withdrawn and currently amended)

The composition electrophoretic display of Claim 33 wherein the total concentration of the multifunctional epoxide and the crosslinker crosslinking agent is in the range of about 2-50% by weight of the dry weight of the sealing layer.

38 (withdrawn and currently amended)

The composition electrophoretic display of Claim 37 wherein said total concentration of the multifunctional epoxide and the crosslinking agent is in the range of about 10-40% by weight of the dry weight of the sealing layer.

39 (withdrawn and currently amended)

The composition electrophoretic display of Claim 33 wherein said crosslinking system further comprising comprises a catalyst.

40 (withdrawn and currently amended)

The composition electrophoretic display of Claim 1 wherein said crosslinking system comprises a multifunctional aziridine and a crosslinking agent for the multifunctional aziridine.

41 (cancelled)

42 (withdrawn and currently amended)

The composition electrophoretic display of Claim 40 wherein said multifunctional aziridine is trimethylolpropane tris(2-methyl-1-aziridine propionate).

43 (withdrawn and currently amended)

The composition electrophoretic display of Claim 40 wherein said crosslinking agent is selected from the group consisting of multifunctional alcohols, thiols, carboxylic acids, ureas, thioureas, primary and secondary amines, anilines, anhydrides and Lewis acids.

44 (withdrawn and currently amended)

The composition electrophoretic display of Claim 40 wherein said crosslinking system further comprising comprises a catalyst.

45 (withdrawn and currently amended)

The composition electrophoretic display of Claim 1 wherein said sealing composition which is dissolved or dispersed in isopropyl acetate, butyl acetate, methyl ethyl ketone (MEK), methyl propyl ketone, cyclohexanone, toluene, xylene, cyclohexane, cycloheptane or a isoparaffin an isoparaffin.

46 (withdrawn and currently amended)

The composition electrophoretic display of Claim 1 wherein said sealing composition further comprising comprises pigment or conductive particles.

47-56 (canceled)